

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

May 15, 1953

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Mr. Earl Brune  
Western Natural Gas Company  
Midland Tower  
MIDLAND, TEXAS

Dear Sir:

We attach signed copies of Order R-318 issued under date of May 11 in Case 526, heard by this Commission on your petition and testimony on April 16, 1953.

Very truly yours,

W. B. Macey  
Chief Engineer

WBM:nr

BEFORE THE  
OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

April 16, 1953

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CASE 526: In the matter of the application of Western Natural Gas Company for an order permitting dual completion of its Bombest No. 1-X Well, SE/4 NE/4 Section 35, Township 23 South, Range 36 East, NMPM (Cooper-Jal Peel), Lea County, New Mexico, in such manner as to permit production of oil from the Seven Rivers-Queen formation and gas from the Yates formation of the Langmat Gas Pool.

EARL BRUNO,

having first been duly sworn, testified as follows:

MR. BRUNO: I'm Earl Bruno, having a position of Division Engineer with Western Natural Gas and I'm a graduate petroleum natural gas engineer and I'd like to ask the Commission if I'd be a qualified witness.

MR. SPURRIER: The Commission will accept your qualifications.

MR. BRUNO: I have an application to the Commission to dual complete Western Natural Gas Combest No. 1-X Well in Lea County, New Mexico.

I have three exhibits here. One being the location of the well, Exhibit B being the current completion status of the well and Exhibit C, being the proposed dual completion of the well. And since I haven't appeared here before, if you -- do you have any questions on the dual completion -- what is the procedure?

MR. SPURRIER: You should go ahead and explain how you intend to dually complete this well.

MR. BRUNO: We intend to produce oil from the Seven Rivers-Queens Section through the tubing -- set a bigger production packer in through the tubing -- in the seven inch casing to separate the two zones, separate the Yates Section which will produce gas through the annulus between the tubing and the casing.

MR. SPURRIER: Are there any questions of the witness?

MR. GRAHAM: Are you familiar with the usual type of order that dual completions of that sort -- which are issued to the Commission?

MR. BRUNO: I don't believe I understand your question.

MR. GRAHAM: Are you familiar with the type of order usually issued by the Commission in such cases?

MR. BRUNO: I still don't understand, sir.

MR. WHITE: Do these exhibits show about the depth you're going to put your packer and what type of packer you're going to use?

MR. BRUNO: Yes, sir.

MR. WHITE: And what you're going to use to seal it off?

MR. BRUNO: Yes, sir.

VOICE: Do you offer those exhibits you have in evidence?

MR. BRUNO: Yes, sir.

MR. SPURRIER: Without objection, they will be received. Are there any further questions of the witness?

MR. GRAHAM: Does that show how you're going to produce that seal both inside and outside? To keep the comingling between the two formations?

MR. BRUNO: Yes, sir. I said that we'd set the Baker production packer between the two zones.

MR. GRAHAM: And will you present a drawing of plans of actual installations for the Commission's approval?

MR. BRUNO: Yes, sir. We also run a - - on this particular well, we don't have an electrical log and we'll run a gamma ray neutron and submit that to the Commission after we have run same.

MR. MACNY: On your seven inch casing and your five inch casing - - - you mention something about 75 sacks of cement - - -

MR. BRUNO: Yes, sir.

MR. MACNY: Do you have any evidence to prove that that number of sacks will cover your proposed pay section from the Yates Seven-Rivers or just the Yates, I presume?

MR. BRUNO: No, I wouldn't think it did cover the the proposed - - the Yates Section.

MR. MACNY: Well, you've got to fill that formation - between the top

of your cement and the Yates, haven't you?

MR. BRUNO: Well, I don't understand what you're getting at, sir.

MR. MACEY: Well, - - -

MR. BRUNO: If we have - - cemented at the bottom of the casing 3488 which was through your Yates Gas - - - which will seal your Yates Gas off from your Seven-Rivers Queens Section producing from the open hole, that you perforate your seven inch casing, I don't see what question you're getting at, sir.

MR. MACEY: Well, here's what I'm getting at. The fact remains that that dual completion down in Lea County will perforate the Yates gas interval and get oil due to the fact that the oil was coming from another zone behind the pipe due to a defective cement job which you may or may not have in this case.

MR. BRUNO: I imagine if we get - - if we perforate and get oil, we'd better squeeze the oil off - hadn't we?

MR. MACEY: That's what I wanted to know.

(Laughter)

MR. SPURRIER: Are there any further comments in this case? If not, we'll take it under advisement and move on to case 527.

STATE OF NEW MEXICO )  
                          ) ss.  
COUNTY OF SANTA FE )

I hereby certify that the foregoing and attached transcript of hearing in Case 526 before the Oil Conservation Commission on April 16, 1953, at Santa Fe, is a true record of the same to the best of my knowledge, skill and ability.

DATED AT Santa Fe, this 30th day of April, 1953.

  
Audrey M. Henriksen

My commission expires September 20, 1955.